



ÓBUDAI EGYETEM
ÓBUDA UNIVERSITY



ÓBUDA UNIVERSITY
REJTŐ SÁNDOR FACULTY OF LIGHT INDUSTRY
AND ENVIRONMENTAL ENGINEERING



INVITATION LETTER

For
Online

The 12th ICEEE-2021
International Annual Conference on
“Global Environmental Development & Sustainability:
Research, Engineering & Management”
18th – 19th of November 2021, Budapest – Hungary

Dear Distinguished Friends & Colleagues!

We have only one planet, and we are using its resources 50% faster than it can take. So, what about the future of the new and next generations! Future of humanity and the planet depends on successful resolution of the interconnected challenges of economic, social, cultural, and environmental sustainability.

Integrating sustainable development is fully into higher education and research strategies. Higher education and research institutions play a key role in achieving the 2030 Development Agenda and related to the [Global Sustainable Development Goals](#). "Sustainable development is a development that meets the needs of the present without compromising the ability of future generations to meet their own needs." This time the Conference focus on the issues of “*Global Environmental Development & Sustainability: Research, Engineering & Management*”.

Environmental Sustainability decided to restructure itself around six foci:

1. Environmental Change Issues &; Assessments
2. Environmental Change & Global Sustainability
3. Ecosystem Dynamics & Sustainability;
4. Sustainability Governance & Transformation;
5. Sustainability Challenges; and
6. Sustainability Sciences.

Human population has increased from 2.6 billion in 1950 to more than 7.5 billion, while the boundaries between people have shifted drastically due to advances in human knowledge, technique process & societal change. Human society requires protection and monitoring of the environmental quality. Environmental protection & waste management have effects on human health & ecosystems quality, requiring cooperation across different sectors to determine effective responses. By increasing the global population is rising at a staggering rate &

demands ever more resources, while the bad management of environmental protection & waste management are making matters worse.

After a great successful of the last International Annual Conferences of ICEEE, the **International Council of Environmental Engineering Education (ICEEE)** & the **Óbuda University, Rejtő Sándor Faculty of Light Industry & Environmental Engineering (RKK)** & **Institute of Environmental Engineering & Natural Sciences** have the great pleasure & cordially to invite you to participate in the **ONLINE** program of the **12th ICEEE-2021 International Annual Conference during 18th –19th of November, 2021 at Óbuda University RKK, Budapest (Hungary).**

The Conference is carrying out under the auspices of:

Prof. Dr. Levente KOVÁCS	Rector, Óbuda University
Presidency of the Conference	
Dr. László KOLTAI	Dean, Rejtő Sándor Faculty of Light Industry & Environmental Engineering
Dr. Rita BODÁNE-KENDROVICS	Director, Institute of Environmental Engineering & Natural Sciences
Prof. Dr. Hosam BAYOUMI HAMUDA	President, International Council of Environmental Engineering Education Chairman of Conference

On behalf of the Organizing Committee of the 12th ICEEE -2021, we cordially invite you to participate in any of the following forms:

- 1. Author: Submit original scientific works**
- 2. Speaker: Deliver speeches/lectures**
- 3. Listener: Without papers & speeches**

The Organizing Committee takes the honour to welcome all participants from pure & applied science fields to take part in our International Annual Conference. During the Conference, we intend to devote special interest to the following topics:

- Applied Biochemistry & Biotechnology
- Assessment of Air, Groundwater & Soil Quality
- Agricultural & Environmental Ethics
- Bioengineering & Healthcare
- Biomass Conversion & Biorefinery
- Biogas Recovery in Municipal Solid Waste
- Biosecurity Strategy for Agricultural & Food Industry
- Bioeconomy Industry
- Bioremediation of Soil & Water Sectors
- Clean Technologies
- Climate Change & Ecological Migration & Human Health
- Climate Change & Environmental Sustainability
- Desalination & Water Treatment
- Energy & Matter Balance
- Environmental Engineering, Sustainable Production & Eco-Innovations
- Environmental Epigenetics & Human Healthcare
- Environmental Pollution: Impact Assessment, Mitigation & Prevention
- Environmental Management, Strategy, Standards & Social Responsibility
- Environmental Economics, Policy, Resources & Strategy
- Environmental Degradation & Composting

- Environmental Monitoring & Assessment
- Environmental Studies & Education
- Food, Soil & Water Security
- Food Waste Generation & Prevention Measurement
- Greenhouses & Gas Emissions
- Hydrobiology Sustainability
- Landscape Functional Zoning of Urban Protected Areas
- Lichenoidication & Evaluation of Air Quality
- Local, Regional & Global Sustainability Initiatives
- Man-Made & Natural Environmental Problems
- Meteorological Patterns & Environmentally Stress
- Population Growth & Human Activities
- Residues of Biomass. Environmental Impact & Recycling
- Risk Management & Healthcare & Environmental Problems
- Sewage Sludge & Soil Constituents & Quality
- Species Distribution Modelling under Global Climate Change
- Strategy for Conservation of Biodiversity & Landscape
- Sustainable Energy Research & Applications,
- Sustainable Food Processing
- Sustainable Consumption & Education
- Sustainable Development: Applied & Natural Sciences
- Sustainable Development: Bio/Nano-(Bio)Technology
- Sustainable Development: Energy Use & Global Climate Change
- Sustainable Development: Environmental Engineering
- Sustainable Development: Healthcare
- Sustainable Development: Role of Education & Public Awareness
- Sustainable Development: Role of National & International Agencies
- Sustainable Development: Society & Environmental Interactions
- Sustainable Development: Use of Land, Water, Energy & Natural Resources
- Sustainable Energy Strategies
- Sustainable Tourism & Environment
- Sustainability Indicators: Development & Application
- Urban ecosystems & ecosystem services
- Water & Energy Footprints
- Water & Wastewater Management

The Conference welcomes scientific research, review and discussion papers dealing with environmental sustainability and development issues from such fields as the biological sciences, agriculture, geology, meteorology, energy, food sciences, soil and water sciences, geography, nutrition, physical sciences, economics, law, etc. The Conference particularly welcomes papers that highlight more than one dimension of sustainable development.

The Conference offers a platform for worldwide young and professional researchers and scientists from educational institutions, academia, industry and government to discuss proposals and disseminate results on *Global Environmental Development & Sustainability*. The formation of lasting productive partnerships between the participants is also an objective of this Conference. This research Conference is open to all in the research and scientific community to discuss the Future Challenges and Directions regarding to the *Global Environmental Development & Sustainability*.

All accepted and presented papers will be published in the **Proceedings Book of the Conference** with **ISBN: 978-963-449-256-6**.

Beyond these topics we encourage submissions of innovative papers from the broad area of general environmental sciences and technologies what could be of interest to the academic scene of environmental engineering.

Organising Committee

Prof. Dr. Hosam BAYOUMI HAMUDA (Óbuda University, Hungary)
Dr. Rita BODÁNE-KENDROVICS (Óbuda University, Hungary)
Dr. Krisztina DEMÉNY (Óbuda University, Hungary)
Dr. Lóránt SZABÓ (Óbuda University, Hungary)
Dr. Csaba ÁGOSTON (Óbuda University, Hungary)

Administration Committee

Ms. Júlia KASZÁS (Óbuda University, Hungary)
Mr. András SZEDER (Óbuda University, Hungary)
Mr. József VÁRKÖVI (Óbuda University, Hungary)
Ms. Zsuzsa TAMÁSSY (Óbuda University, Hungary)

Important deadline:

- **For registration and submission of the abstract is 15th of October 2021.**
- **For submission of the full manuscript is 07th of November 2021.**

Contact address:

Prof. Dr. Hosam E.A.F. Bayoumi Hamuda
President of ICEEE
Conference Chair
Institute of Environmental Engineering & Natural Sciences
Óbuda University
E-mail: bayoumi.hosam@uni-obuda.hu
WhatsApp/viber/messenger: +36-30-390-0813

The full manuscript should be organized in the following manner:

- Title
- Names of the Authors
- Name of the Institution
- Abstract
- Keywords (Up To Six)
- Introduction and Aim
- Materials and Methods
- Results and Discussion
- Conclusions
- Acknowledgements
- References.

Please you are being kind to register for the Conference and confirm your presence.
Yours Sincerely,

Dr. Lyudmila SYMOCHKO
General Secretary of ICEEE
Secretary of the Conference

Prof. Dr. Hosam BAYOUMI HAMUDA
President of ICEEE
Chairman of the Conference